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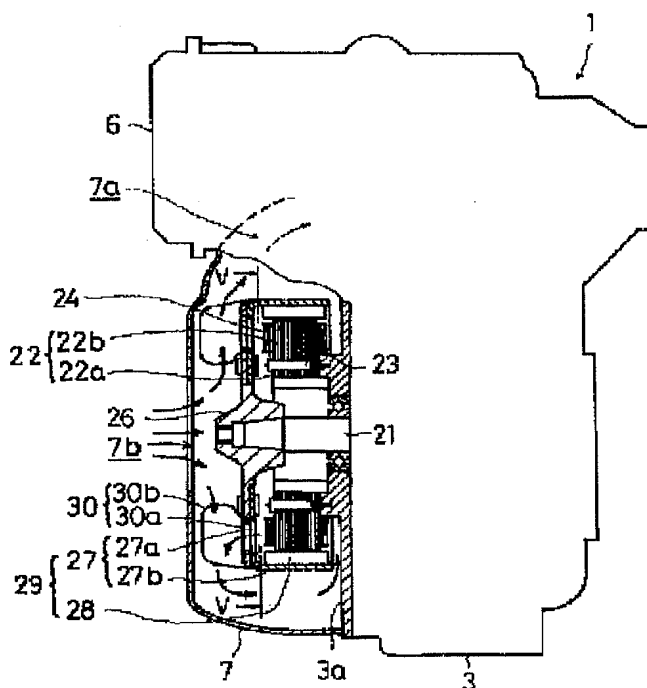
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APPLICANT : HONDA MOTOR CO LTD;

INVENTOR : SHIMIZU MOTOHISA;

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TITLE : HYBRID ELECTRIC POWER SUPPLY
DEVICE FOR MOTOR-DRIVEN TRAVEL
VEHICLE



ABSTRACT : PURPOSE: To secure sufficient necessary electric power in the size and weight of an engine single body by fixing a permanent magnet to the inner periphery of a fly wheel fixed in a crowned shape to the end of an engine output shaft passing penetratingly through a stator so as to form a rotor and supplying output of the power generating coil of the stator to a battery after it is rectified and added up.

CONSTITUTION: An outer rotor type magnetic rotor 29 composed of a fly wheel 27 where a permanent magnet 28 is fixed inside of a cylinder part 27b is joined to the tip of a crank shaft 21 which passes penetratingly through the side wall 3a of the crank case 3 of an engine and passes penetratingly through the center of a stator. The stator is formed of an annular star shape iron core 22 formed by winding a three-phase power generating coil 24 round a projecting pole part 22b, and full wave rectification and adding-up are carried out respectively on three-phase electric power from the power generating coil 24 by a rectifier, and the whole output of the engine is supplied to a battery serving as a travel driving source. Thereby, since a generator itself is not different so much in its size and weight from those of an engine single body, sufficient necessary electric power can be secured.

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